

**Notice of Allowability**

Application No.

10/644,701

Applicant(s)

SJOGREN, CHRISTER A.

Examiner

Pascal M. Bui-Pho

Art Unit

2878

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☐ This communication is responsive to \_\_\_\_\_.
2. ☒ The allowed claim(s) is/are 1-42.
3. ☒ The drawings filed on 08/20/2003 are accepted by the Examiner.
4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) ☐ All    b) ☐ Some\*    c) ☐ None    of the:
    1. ☐ Certified copies of the priority documents have been received.
    2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
    3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.  
**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
  6. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
    - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
      - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
    - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

1. ☒ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08),  
Paper No./Mail Date \_\_\_\_\_
4. ☐ Examiner's Comment Regarding Requirement for Deposit  
of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☐ Interview Summary (PTO-413),  
Paper No./Mail Date \_\_\_\_\_
7. ☒ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other \_\_\_\_\_

## **DETAILED ACTION**

### ***Allowable Subject Matter***

1. Claims 1-42 are allowed over the prior art of record.
2. The following is an examiner's statement of reasons for allowance:

The prior art fails to teach a method for detecting printed products, from a gripper conveyor to a stacker infeed, among other features, comprising the steps of: determining if a printed product is deposited from a gripper to the conveyor; accumulating a count for each product; and tracking the travel of the product along the conveyor or detecting folded edges of products at a given location and providing a position for each product.

The prior art also fails to teach a gripper conveyor for conveying printed products, among other features, comprising: a product sensor for detecting a presence of a product; a generator for generating pluses representing movement of a lay-down conveyor; and an accumulator for accumulating pulses.

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

I) Sjogren et al. (US 6,876,716) disclose a newspaper counting method and apparatus an image sensing device creates an image of a given region which includes the leading edge of the newspaper creating a shadow. The image is compared with stored criteria to determine the count.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue

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fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

### EXAMINER'S AMENDMENT

3. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Louis Weinstein on August 30<sup>th</sup>, 2005 and August 31<sup>st</sup>, 2005.

The application has been amended as follows:

-Page 7, paragraph 33, line 4, [laser sensor 54] has been changed to [laser sensor 84'].

-Page 12, paragraph 49, line 2, [printed products and delivers the completed stack] has been changed to [printed products in the region 94 (see Figs. 1 and 2) and delivers the completed stack].

-Page 12, paragraph 50, line 10, [laser sensor 54] has been changed to [laser sensor 84'].

-Page 12, paragraph 51, line 2, [laser sensor 54] has been changed to [laser sensor 84'].

-Page 12, paragraph 51, line 5, [laser sensor 54 which uses beam 54a] has been changed to [laser sensor 84' which uses beam 84a'].

-Page 12, paragraph 51, line 7. [sensor beam 54a] has been changed to [sensor beam 84a'].

-Page 13, paragraph 51, line 11, [laser beam 54a] has been changed to [laser beam 84a'].

-Page 13, paragraph 51, line 22, [laser beam 54] has been changed to [laser beam 84'].

- Page 13, paragraph 52, line 3, [sensor 54] has been changed to [sensor 84'].
- Page 13, paragraph 52, line 4, [sensor 54] has been changed to [sensor 84'].
- Page 13, paragraph 52, line 5, [laser beam 54a] has been changed to [laser beam 84a'].
- Page 13, paragraph 52, line 6, [laser sensor 54] has been changed to [laser sensor 84'].
- Page 13, paragraph 52, line 7, [laser beam 54a is normally reflected as shown at 54b] has been changed to [laser beam 84a' is normally reflected as shown at 84b'].
- Page 13, paragraph 52, line 8, [laser sensor 54] has been changed to [laser sensor 84'].
- Page 14, paragraph 52, line 12, [sensor 54] has been changed to [sensor 84'].
- Page 14, paragraph 53, line 1, [laser beam 54b] has been changed to [laser beam 84b'].
- Page 14, paragraph 55, line 6, [laser sensor 54] has been changed to [laser sensor 84'].
- Page 14, paragraph 55, line 13, [below, is used to develop a "virtual window", during which time interval the laser] has been changed to [below, is used to develop a "virtual window" between 95 and 105 counts (see output of 102-1), during which time interval the laser].
- Page 15, paragraph 55, line 18, [laser sensor 54] has been changed to [laser sensor 84'].
- Page 15, paragraph 55, line 20, [laser sensor 54] has been changed to [laser sensor 84'].
- Page 15, paragraph 56, line 1, [laser sensor 54] has been changed to [laser sensor 84'].
- Page 15, paragraph 56, line 4, [an output 54c of laser sensor 54] has been changed to [an output 84c' of laser sensor 84'].
- Page 15, paragraph 56, line 7, [laser sensor 54] has been changed to [laser sensor 84'].
- Page 16, paragraph 59, line 9, [laser sensor 54] has been changed to [laser sensor 84'].
- Page 16, paragraph 60, line 1, [laser sensor 54] has been changed to [laser sensor 84'].

-Page 17, paragraph 60, line 13, [sensor beam 54a and the nip of the transfer wheel] has been changed to [sensor beam 84a' and the nip N of the transfer wheel].

-Page 17, paragraph 60, line 15, [sensor 54] has been changed to [sensor 84'].

-Page 17, paragraph 61, line 2, [laser sensor 54] has been changed to [laser sensor 84'].

-Page 17, paragraph 61, line 5, [sensor 54] has been changed to [sensor 84'].

-Page 17, paragraph 62, line 1, [laser sensor 54] has been changed to [laser sensor 84'].

-Page 19, paragraph 67, line 1, [laser sensor 54] has been changed to [laser sensor 84'].

-Page 19, paragraph 67, line 3, [sensor 54] has been changed to [sensor 84'].

-Page 21, paragraph 73, line 3, [laser sensor 54] has been changed to [laser sensor 84'].

-Page 21, paragraph 73, line 4, [laser sensor 54] has been changed to [laser sensor 84'].

-Page 21, paragraph 74, line 1, [laser sensor 54] has been changed to [laser sensor 84'].

-Page 21, paragraph 75, line 1, [laser sensor 54] has been changed to [laser sensor 84'].

-Page 21, paragraph 75, line 3, [laser sensor 54] has been changed to [laser sensor 84'].

-Page 21, paragraph 75, line 6, [laser 54] has been changed to [laser sensor 84'].

-Page 21, paragraph 75, line 8, [laser sensor 54] has been changed to [laser sensor 84'].

4. The following changes to the drawings have been approved by the examiner and agreed upon by applicant:

-Fig. 1 (Related Art): Draw blades 88 and 88' with bold lines

-Fig. 2: Replace 89 with N, replace the laser sensor reference numbers to the following:

54 to 84', 54a to 84a', 54b to 84b', 54c to 84c', and add 94 as per Fig. 1 (Related Art).

In order to avoid abandonment of the application, applicant must make these above agreed upon drawing changes. See amended figures 1 and 2.

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5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Pascal M. Bui-Pho whose telephone number is (571) 272-2714.


The examiner can normally be reached on Monday through Friday: 8:30 a.m. - 5:00 p.m..

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Dave Porta can be reached on (571) 272-2444. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Pascal M. Bui-Pho  
Examiner  
Art Unit 2878

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**DAVID PORTA**  
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